



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and
Scott Siegel

Application No.: 09/897,724 Group Art Unit: 1642

Filed: July 2, 2001 Examiner: Not Assigned

Title: ANTI-TNF ANTIBODIES AND PEPTIDES OF HUMAN TUMOR
NECROSIS FACTOR

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202.	
on <u>13 Sept. 2002</u>	<u>Linda M. Amato</u>
Date	Signature
Linda M. Amato	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

Sir:

This Information Disclosure Statement is submitted:

under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

under 37 CFR 1.97(c) together with either:

a Statement under 37 CFR 1.97(e), as checked below, or

a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

under 37 CFR 1.97(d) together with:

a Statement under 37 CFR 1.97(e), as checked below, and

a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of issue fee)

under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.
(Filed after payment of issue fee)

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Statement Under 37 CFR 1.97(e)

- Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

[X] Enclosed herewith is form PTO-1449:

- Copies of the cited references are enclosed.
- Copies of cited references are enclosed except those entered in prior applications, U.S. Application No. _____, to which priority under 35 U.S.C. 120 is claimed. The earlier applications contains copies of the cited references.
- The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- The "concise explanation" requirement (non-English references) for reference(s) [] under 37 CFR 1.98(a)(3) is satisfied by:
 - the explanation provided on the attached sheet.
 - the explanation provided in the Specification.
 - submission of the enclosed International Search Report.
 - the enclosed English language abstract.

[X] Applicant requests that the following pending applications be considered:

Examiner's
Initials

— U.S. Patent Application No. 09/756,398, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 8, 2001, Docket No.: 0975.1005-006

— U.S. Patent Application No. 09/756,301, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 8, 2001, Docket No.: 0975.1005-008

U.S. Patent Application No. 09/766,535, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 18, 2001, Docket No.: 0975.1005-010

U.S. Patent Application No. 09/927,703, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed August 10, 2001, Docket No.: 0975.1005-013

U.S. Patent Application No. 10/010,229, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed December 7, 2001 Docket No.: 0975.1005-014

U.S. Patent Application No. 10/043,450, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-015

U.S. Patent Application No. 10/044,534, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-016

U.S. Patent Application No. 10/043,432, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-017

U.S. Patent Application No. 10/043,436, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-018

U.S. Patent Application No. 10/176,460, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 20, 2002, Docket No.: 0975.1005-019

U.S. Patent Application No. 10/187,121, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 28, 2002, Docket No.: 0975.1005-020

U.S. Patent Application No. 10/186,559, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 28, 2002, Docket No.: 0975.1005-021

U.S. Patent Application No. 10/198,845, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 18, 2002, Docket No.: 0975.1005-022

U.S. Patent Application No. 10/200,795, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 22, 2002, Docket No.: 0975.1005-023

U.S. Patent Application No. 10/208,145, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 29, 2002, Docket No.: 0975.1005-024

Examiner

Date

[X] The specification for the above cited co-pending applications is identical to the present specification (09/897,724). Therefore, only a copy of the current claims for each application is enclosed. Copies of the specifications of the co-pending applications will be provided upon request.

[] A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

[] A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

[] Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.

[X] Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

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Dated: September 13, 2002

PTO-1449 REPRODUCED OIR INFORMATION DISCLOSURE CITATION IN AN APPLICATION SEP 16 2002 September 13, 2002 (Use several sheets if necessary)				ATTORNEY DOCKET NO. 0975.1005-012	APPLICATION NO. 09/897,724		
				APPLICANT Junming Le et al.			
				FILING DATE July 2, 2001	GROUP 1642		
TECH CENTER 1600 RECEIVED SEP 17 2002 U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	4,603,106	07/29/86	Cerami et al.			
	AB	4,822,776	04/18/89	Cerami et al.			
	AC	5,658,570	08/19/97	Newman et al.			
	AD	5,750,105	5/12/98	Newman et al.			
	AE	5,231,024	7/27/93	Moeller et al.			
	AF	5,223,395	06/29/93	Gero			
	AG	5,436,154	07/25/95	Barbanti et al.			
	AH	5,654,407	08/05/97	Boyle et al.			
	AI	5,700,788	12/23/97	Mongelli et al.			
	AJ	5,730,975	03/24/98	Hotamisligil et al.			
	AK	5,741,488	04/21/98	Feldman et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	AL	0 212 489 B1	04 MAR 87	EPO			
	AM	0 218 868 A2	22 APR 87	EPO			
	AN	0 308 378 B1	22 MAR 89	EPO			
	AO	0 380 068 A1	01 AUG 90	EPO			
	AP	0 393 438 A2	24 OCT 90	EPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	Beutler, B. et al., "Identity of tumour necrosis factor and the macrophage-secreted factor cachectin," <i>Nature</i> , 316:552-554 (1985).					
	AS	Beutler, B. et al., "Passive Immunization Against Cachectin/Tumor Necrosis Factor Protects Mice from Lethal Effect of Endotoxin," <i>Science</i> , 229:869-871 (1985).					
	AT	Morrison, Sherie L., "Transfectedomas Provide Novel Chimeric Antibodies," <i>Science</i> , 229:1202-1207 (1985).					
EXAMINER				DATE CONSIDERED			

PTO-1449 REPRODUCED

O I P INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
SEP 16 2002
September 13, 2002
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ATTORNEY DOCKET NO.
0975.1005-012APPLICATION NO.
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U.S. PATENT DOCUMENTS

EXAM- INER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA2	5,776,947	07/07/98	Kroemer et al.			
	AB2	6,015,558	01/18/00	Hotamisligil et al.			
	AC2	6,172,202 B1	01/09/01	Marcucci et al.			
	AD2	6,194,451 B1	02/27/01	Alpegiani et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AQ	0 398 327 B1	22 NOV 90	EPO			
	AL2	0 412 486 B1	13 FEB 91	EPO			
	AM2	0 433 900 B1	26 JUN 91	EPO			
	AN2	0 526 905 A2	10 FEB 93	EPO			
	AO2	WO91/02078	21 FEB 91	PCT			
	AP2	WO92/07076	30 APR 92	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	Liang, Chi-Ming et al., "Production and Characterization of Monoclonal Antibodies Against Recombinant Human Tumor Necrosis Factor/Cachectin," <i>Biochem. & Biophys. Res. Comm.</i> , 137(2):847-854 (1986).
AV	Hirai, Makoto et al., "Production and characterization of monoclonal antibodies to human tumor necrosis factor," <i>J. of Immun. Methods</i> , 96:57-62 (1987).
AW	Piguet, Pierre-Francois et al., "Tumor Necrosis Factor/Cachectin is an Effector of Skin and Gut Lesions of the Acute Phase of Graft-vs.-Host Disease," <i>J. Exp. Med.</i> , 166:1280-1289 (1987).
AX	Meager, Anthony et al., "Preparation and Characterization of Monoclonal Antibodies Directed Against Antigenic Determinants of Recombinant Human Tumour Necrosis Factor (rTNF)," <i>Hybridoma</i> , 6(3):305-311 (1987).
AY	Fendly, Brian M. et al., "Murine Monoclonal Antibodies Defining Neutralizing Epitopes on Tumor Necrosis Factor," <i>Hybridoma</i> , 6(4):359-370 (1987).
EXAMINER	DATE CONSIDERED

PTO-1449 REPRODUCED

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INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
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several sheets if necessary)

ATTORNEY DOCKET NO.
0975.1005-012APPLICATION NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	AQ2	WO 92/13095	06 AUG 92	PCT			
	AL3	0 260 610 B1	23 MAR 88	EPO			
	AM3	91/09967	11 JUL 91	PCT			
	AN3	0 351 789 B1	24 JAN 90	EPO			
	AO3	0 350 690 A2	17 JAN 90	EPO			
	AP3	90/00902	08 FEB 90	PCT			
	AQ3	WO 92/11383	09 JUL 92	PCT			
	AL4	WO 93/02108	04 FEB 93	PCT			
	AM4	WO 92/16553	19 MAR 92	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AZ	Bringman, Timothy S. and Aggarwal, Bharat B., "Monoclonal Antibodies to Human Tumor Necrosis Factors Alpha and Beta: Applications for Affinity Purification, Immunoassays, and as Structural Probes," <i>Hybridoma</i> , 6(5):489-507 (1987).
AR2	Tracey, Kevin J. et al., "Anti-cachectin/TNF monoclonal antibodies prevent septic shock during lethal bacteraemia," <i>Nature</i> , 330:662-664 (1987).
AS2	Nagai, M. et al., "Antibody to tumor necrosis factor (TNF) reduces endotoxin fever," <i>Experientia</i> , 44:606-607 (1988).
AT2	Shimamoto, Yoshinori et al., "Monoclonal antibodies against human recombinant tumor necrosis factor: prevention of endotoxic shock," <i>Immunology Letters</i> , 17:311-318 (1988).
AU2	Di Giovine, Francesco, S. et al., "Tumour necrosis factor in synovial exudates," <i>Annals of the Rheumatic Diseases</i> , 47:768-772 (1988).
AV2	Collins, M.S. et al., "Immunoprophylaxis of Polymicrobial Cellulitis with a Human Monoclonal Antibody Against Lipopolysaccharide Antigen of <i>Pseudomonas aeruginosa</i> ," Abstract E-63, <i>Abstracts of Annual Meeting</i> 1989.

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ATTORNEY DOCKET NO.
0975.1005-012APPLICATION NO.
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AN4	WO 91/09967	11 JUL 91	PCT			
	AO4	0 486 526 B2	07 MAR 01	EPO			
	AP4	PCT/US92/02190	10 JUN 92	PCT			
	AQ4	0 288 088 B1	26 OCT 88	EPO			
	AL5	0 453 898 A2	30 OCT 91	EPO			X
	AM5	0 585 705 A1	09 MAR 94	EPO			
	AN5	0 614 984 A2	14 SEP 94	EPO			
	AO5	0 663 836 B1	26 JUL 95	EPO			
	AP5	WO 89/08460	21 SEP 89	PCT			
	AQ5	WO 90/01950	08 MAR 90	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AN2	Exley, A.R. et al., "Monoclonal Antibody (Mab) to Recombinant Human Tumour Necrosis Factor (rhTNF) in the Prophylaxis and Treatment of Endotoxic Shock in Cynomolgus Monkeys," <i>Medical Research Society, Abstract 184</i> , p. 50 (1989).
AX2	Cross, A.S. et al., "Pretreatment with Recombinant Murine Tumor Necrosis Factor α /Cachectin and Murine Interleukin 1 α Protects Mice from Lethal Bacterial Infection," <i>J of Exp Med.</i> , 169:2021-2027 (1989).
AX2	Engelmann, Hartmut et al., "A Tumor Necrosis Factor-binding Protein Purified to Homogeneity from Human Urine Protects Cells from Tumor Necrosis Factor Toxicity," <i>J. of Bio. Chem.</i> , 264(20):11974-11980 (1989).

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED O I P E INFORMATION DISCLOSURE CITATION IN AN APPLICATION SEP 16 2002 September 13, 2002 (Use several sheets if necessary)			ATTORNEY DOCKET NO. 0975.1005-012	APPLICATION NO. 09/897,722			
			APPLICANT Junming Le et al.				
			FILING DATE July 2, 2001	GROUP 1642			
U.S. PATENT DOCUMENTS							
EXAM- INER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL6	WO 91/04054	04 APR 91	PCT			
	AM6	WO 92/01472	06 FEB 92	PCT			
	AN6	WO 93/11236	10 JUN 93	PCT			
	AO6	WO 94/08609	28 APR 94	PCT			
	AP6	WO 94/08619	28 APR 94	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AZ2	Kawasaki, Hajime et al., "Analysis of Endotoxin Fever in Rabbits by Using a Monoclonal Antibody to Tumor Necrosis Factor (Cachectin)," <i>Infection and Immunity</i> , 57(10):3131-3135 (1989).					
	AR3	Fong, Yuman et al., "Antibodies to Cachectin/Tumor Necrosis Factor Reduce Interleukin 1 β and Interleukin 6 Appearance During Lethal Bacteremia," <i>J. Exp. Med.</i> , 170:1627-1633 (1989).					
	AS3	Von Asmuth, E.J.U. et al., "Tumour Necrosis Factor Alpha (TNF- α) and Interleukin 6 in a Zymosan-Induced Shock Model," <i>Scand. J. Immunol.</i> , 32:313-319 (1990).					
	AT3	Herve, P. et al., "Monoclonal Anti TNF α Antibody for the Treatment of Severe Acute GvHD in Humans," Abstract 3.25, <i>Lymphoma Res.</i> 9:591 (1990).					
	AU3	Silva, Ayona T. et al., "Prophylactic and Therapeutic Effects of a Monoclonal Antibody to Tumor Necrosis Factor- α in Experimental Gram-Negative Shock," <i>J. of Infectious Diseases</i> , 162:421-427 (1990).					
	AV3	Opal, Steven M. et al., "Efficacy of a Monoclonal Antibody Directed Against Tumor Necrosis Factor in Protecting Neutropenic Rats from Lethal Infection with <i>Pseudomonas aeruginosa</i> ," <i>J. of Infectious Diseases</i> , 161:1148-1152 (1990).					
	AW3	Tavernier, Jan et al., "Analysis of the Structure-Function Relationship of Tumour Necrosis Factor. Human/Mouse Chimeric TNF Proteins: General Properties and Epitope Analysis," <i>J. Mol. Biol.</i> , 211:493-501 (1990).					
	AX3	Lucas, R. et al., "Generation and characterization of a neutralizing rat anti-rm TNF- α monoclonal antibody," <i>Immunology</i> , 71:218-223 (1990).					
EXAMINER				DATE CONSIDERED			

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PTO-1449 REPRODUCED OIP INFORMATION DISCLOSURE CITATION IN AN APPLICATION SEP 16 2002 September 13, 2002 PATENT (Use several sheets if necessary)			ATTORNEY DOCKET NO. 0975.1005-012	APPLICATION NO. 09/897,724			
APPLICANT Junming Le et al.			FILING DATE July 2, 2001	GROUP 1642			
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AY3	Hinshaw, L.B. et al., "Survival of Primates in LD ₁₀₀ Septic Shock Following Therapy with Antibody to Tumor Necrosis Factor (TNFα)," <i>Circulatory Shock</i> , 30:279-292 (1990).						
AZ3	Nophar, Yaron et al., "Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type 1 TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface and a soluble form of the receptor," <i>The EMBO Journal</i> , 9(10):3269-3278 (1990).						
AR4	Engelmann, Hartmut et al., "Two Tumor Necrosis Factor-binding Proteins Purified from Human Urine," <i>J. of Bio. Chem.</i> , 265(3):1531-1536 (1990).						
AS4	Verhoef, J. and Torensma, R., "Prospects for Monoclonal Antibodies in the Diagnosis and Treatment of Bacterial Infections," <i>Eur. J. Clin. Microbiol. Dis.</i> , 9(4):247-250 (1990).						
AT4	Loetscher, Hansruedi et al., "Molecular Cloning and Expression of the Human 55 kd Tumor Necrosis Factor Receptor," <i>Cell</i> , 61:351-359 (1990).						
AU4	Schall, Thomas J. et al., "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor," <i>Cell</i> , 61:361-370 (1990).						
AV4	Akama, Hideto et al., "Mononuclear Cells Enhance Prostaglandin E ₂ Production of Polymorphonuclear Leukocytes via Tumor Necrosis Factor α," <i>Biochemical and Biophysical Research Comm.</i> , 168(2):857-862 (1990).						
AW4	Exley, A.R. et al., "Monoclonal antibody to TNF in severe septic shock," <i>The Lancet</i> , 335:1275-1277 (1990).						
AX4	Möller, Achim et al., "Monoclonal Antibodies to Human Tumor Necrosis Factor α: In Vitro and In Vivo Application," <i>Cytokine</i> , 2(3):162-169 (1990).						
AY4	Ruddle, Nancy H. et al., "An Antibody to Lymphotoxin and Tumor Necrosis Factor Prevents Transfer of Experimental Allergic Encephalomyelitis," <i>J. Exp. Med.</i> , 172:1193-1200 (1990).						
EXAMINER				DATE CONSIDERED			

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TECH CENTER 1600/298
SEP 17 2002

PTO-144 REPRODUCED OPIE INFORMATION DISCLOSURE CITATION IN AN APPLICATION SEP 16 2002 September 13, 2002 CLIENT & US GOVERNMENT (Use several sheets if necessary)		ATTORNEY DOCKET NO. 0975.1005-012	APPLICATION NO. 09/897,724
		APPLICANT Junming Le et al.	
		FILING DATE July 2, 2001	GROUP 1642
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AZ4	Galloway, Cynthia J. et al., "Monoclonal anti-tumor necrosis factor (TNF) antibodies protect mouse and human cells from TNF cytotoxicity," <i>J. of Immunological Methods</i> , 140:37-43 (1991).		
AR5	Waldmann, Thomas A., "Monoclonal Antibodies in Diagnosis and Therapy," <i>Science</i> , 252:1657-1662 (1991).		
AS5	Aderka, Dan et al., "The Possible Role of Tumor Necrosis Factor (TNF) and Its Natural Inhibitors, The Soluble-TNF Receptors, In Autoimmune Diseases," <i>Israel J. Med. Sci.</i> , 28(2):126-130 (1992).		
AT5	Pennington, James, "TNF: Therapeutic Target in Patients with Sepsis," <i>ASM News</i> , 58(9):479-482 (1992).		
AU5	Harris, William J. and Emery, Steven, "Therapeutic antibodies - the coming of age," <i>TBTECH</i> , 11:42-44 (1993).		
AV5	Parrillo, Joseph E., "Pathogenetic Mechanisms of Septic Shock," <i>N.E. Journal of Medicine</i> , 328(20):1471-1477 (1993).		
AW5	Aggarwal, Bharat B. et al., "Human Tumor Necrosis Factor Production, Purification and Characterization," <i>J. of Biol. Chem.</i> , 260(4):2345-2354 (1985).		
AX5	Beutler, B. et al., "Purification of Cachectin, A Lipoprotein Lipase-Suppressing Hormone Secreted by Endotoxin-induced RAW 264.7 Cells," <i>J. Exp. Med.</i> , 161:984-995 (1985).		
AY5	Echtenacher, Bernd et al., "Requirement of Endogenous Tumor Necrosis Factor/Cachectin for Recovery from Experimental Peritonitis," <i>J. of Immunology</i> , 145(11):3762-3766 (1990).		
AZ5	Smith, Craig R., "Human and Chimeric Antibodies to LPS and TNF," Abstract, <i>Endotoxemia & Sepsis Conference</i> (1991).		
AR6	Bodmer, Mark, "Humanized Antibodies for Anti-TNF Therapy," Abstract, <i>Endotoxemia & Sepsis Conference</i> (1991).		
AS6	Genebank Accession, No. N90300 (1989, November 1).		
AT6	Genebank Accession, No. M32046 (1990, June 15).		
AU6	Paulus, H., "Preparation and Biomedical Applications of Bispecific Antibodies", <i>Behring Inst. Mitt</i> , No.78:118-132 (1985).		
AV6	Whittle, Nigel, et al., "Construction and Expression of a CDR-Grafted Anti-TNF Antibody," <i>J. Cell Biochem</i> , Suppl. 13A:96 (1989).		
AW6	Gorman, S.D. and Clark, M.R., "Humanisation of monoclonal antibodies for therapy," <i>Sem Immunol</i> , 2:457-466 (1990).		
AX6	Starnes, H. Fletcher, Jr., et al., "ANTI-IL-6 Monoclonal Antibodies Protect Against Lethal Escherichia Coli Infection and Lethal Tumor Necrosis Factor Challenge in Mice," <i>J Immunol</i> , 145:4185-4191 (1990).		
EXAMINER		DATE CONSIDERED	

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ATTORNEY DOCKET NO.
0975.1005-012APPLICATION NO.
09/897,224OIP
INFORMATION DISCLOSURE CITATION
IN AN APPLICATIONSEP 16 2002
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APPLICANT
Junming Le et al.FILING DATE
July 2, 2001GROUP
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U.S. PATENT AND TRADEMARK OFFICE
CENTER 1600/200 SEP 17 2002

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AY6	Duncombe, Andrew S. et al., "Tumor Necrosis Factor Mediates Autocrine Growth Inhibition in a Chronic Leukemia," <i>J Immunol</i> , 143:3828-3834 (1989).
AZ6	Aderka, Dan et al., "IL-6 Inhibits Lipopolysaccharide-Induced tumor Necrosis Factor Production in Cultured Human Monocytes, U937 Cells, and in Mice," <i>J Immunol</i> , 143:3517-3523 (1989).
AR7	Aderka, Dan, "Role of Tumor Necrosis Factor in the Pathogenesis of Intravascular Coagulopathy of Sepsis: Potential New Therapeutic Implications," <i>Isr J Med Sci</i> , 27:52-60 (1991).
AS7	Lassalle, Ph., et al., "Potential Implication of Endothelial Cells in Bronchial Asthma," <i>Int Arch Allergy Appl Immunol</i> , 94:233-238 (1991).
AT7	Fong, Yuman and Lowry, Stephen F., "Tumor Necrosis Factor in the Pathophysiology of Infection and Sepsis," <i>Clin Immunol Immunopathol</i> , 55:157-170 (1990).
AU7	Eck, Michael J. and Sprang, Stephen R., "The Structure of Tumor Necrosis Factor-α at 2.6 Å Resolution," <i>J Biol Chem</i> , 264:17595-17605 (1989).
AV7	Gillies, Stephen D. et al., "High-level expression of chimeric antibodies using adapted cDNA variable region cassettes," <i>J Immunol Methods</i> , 125:191-202 (1989).
AW7	Kameyama, Koh-zoh, et al., "Convenient plasmid vectors for construction of chimeric mouse/human antibodies," <i>FEBS Lett</i> , 244:301-306 (1989).
AX7	Hayashi, H. et al., "An Enzyme-linked Immunosorbent Assay for Recombinant Human Tumor Necrosis Factor Using Monoclonal Antibody," <i>Recent Adv. Chemother</i> , 820-821 (1985).
AY7	Hirai, Makoto et al., "Production and characterization of monoclonal antibodies to human tumor necrosis factor," <i>J Immunol Methods</i> , 96:57-62 (1987).
AZ7	Sunahara, N. et al., "Simple enzyme immunoassay methods for recombinant human tumor necrosis factor α and its antibodies using a bacterial cell wall carrier," <i>J Immunol Methods</i> , 109:203-214 (1988).
AR8	Oliff, A., et al., "Tumors Secreting Human TNF/Cachectin Induce Cachexia in Mice," <i>Cell</i> , 50:555-563 (1987).
AS8	Mule, J.J., et al., "Antitumor Activity of Recombinant Interleukin 6 in Mice," <i>The Journal of Experimental Medicine</i> , 171:629-636 (1990).
AT8	Luettig, B., et al., "Evidence For The Existence Of Two Forms Of Membrane Tumor Necrosis Factor: An Integral Protein And A Molecule Attached To Its Receptor," <i>The Journal of Immunology</i> , 143:4034-4038 (1989).

EXAMINER

DATE CONSIDERED

APPLICATION NO.
09/897, 724ATTORNEY DOCKET NO.
0975.1005-012APPLICANT
Junming Le et al.FILING DATE
July 2, 2001GROUP
1642

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AU8	Barbuto, J.A.M., et al "Production of neutralizing antibodies to tumor necrosis factor by human tumor-infiltrating B lymphocytes," <i>Proceedings of the American Association for Cancer Research</i> , 34:487, Abstract 2904, (1993).
AV8	Bendtzen, K., et al., "Auto-Antibodies To IL-1 α and TNF α In Normal Individuals And In Infectious And Immunoinflammatory Disorders," <i>The Physiological and Pathological Effects of Cytokines</i> , 10B:447-452 (1990).
AW8	Fomsgaard, A., et al., "Auto-Antibodies To Tumour Necrosis Factor α In Healthy Humans And Patients With Inflammatory Diseases And Gram-Negative Bacterial Infections," <i>Scand. J. Immunol.</i> , 30:219-223 (1989).
AX8	James, K. and Bell, G.T., "Human Monoclonal Antibody Production Current Status And Future Prospects," <i>Journal of Immunological Methods</i> , 100:5-40 (1987).
AY8	Alberts, B. et al., <i>Molecular Biology of the Cell</i> , Garland Publishing Inc., pp 182-183 (1983).
AZ8	Simpson, S.Q., et al., "Role Of Tumor Necrosis Factor In Sepsis And Acute Lung Injury," <i>Critical Care Clinics</i> , 5:27-47 (1989).
AR9	Bendtzen, K., et al., "Native inhibitors (autoantibodies) of IL-1 α and TNF," <i>Immunology Today</i> , 10(7):222 (1989).
AS9	Davenport, C., et al., "Stimulation Of Human B Cells Specific For Candida Albicans For Monoclonal Antibody Production," <i>FEMS Microbiol Immunol</i> , 4(6):335-343 Abstract (1992).
AT9	Pennica, D., et al., "Human tumour necrosis factor: precursor structure, expression and homology to lymphotoxin," <i>Nature</i> , 312(20/27):724-729 (1984).
AU9	Gray, P.W., et al., "Cloning and expression of cDNA for human lymphotoxin, a lymphokine with tumour necrosis activity," <i>Nature</i> , 312(20/27):721-724 (1984).
AV9	Petersen, C.M., et al., "Bioactive human recombinant tumor necrosis factor- α : an unstable dimer?*,," <i>Eur. J. Immunol.</i> , 19:1887-1894 (1989).
AW9	Smith, C. A., et al., "A Receptor for Tumor Necrosis Factor Defines an Unusual Family of Cellular and Viral Proteins," <i>Science</i> , 248:1019-1023 (1990).
AX9	Brennan, F.M., et al., "Inhibitory Effect Of TNF α Antibodies On Synovial Cell Interleukin-1 Production In Rheumatoid Arthritis," <i>The Lancet</i> , 244-247 (1989).
AY9	Hahn, T., et al., "Use of monoclonal antibodies to a human cytotoxin for its isolation and for examining the self-induction of resistance to this protein," <i>Proc. Natl. Acad. Sci. USA</i> 82:3814-3818 (1985).
EXAMINER	DATE CONSIDERED

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PTO-1449 REPRODUCED OIPE INFORMATION DISCLOSURE CITATION IN AN APPLICATION SEP 16 2002 September 13, 2002 <small>PATENT LIBRARY USE THESE SEVERAL SHEETS IF NECESSARY</small>		ATTORNEY DOCKET NO. 0975.1005-012	APPLICATION NO. 09/897,724
		APPLICANT Junming Le et al.	
		FILING DATE July 2, 2001	GROUP 1642
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AZ9	Grau, G.E., et al., "Tumor Necrosis Factor (Cachectin) as an Essential Mediator in Murine Cerebral Malaria," <i>Science</i> , 237:1210-1212 (1987).		
AR10	Barbanti, E., et al., "A high-affinity neutralizing anti-human TNF-alpha monoclonal antibody that cross-reacts with human TNF-beta," <i>Abstracts</i> , March 6th-9th (1991).		
AS10	Jones, E.Y., et al., "Structure of tumour necrosis factor," <i>Nature</i> , 338:225-228 (1989).		
AT10	Clark, W. R., "Types of Antibody Reactions," In <i>The Experimental Foundations of Modern Immunology</i> , (NY: John Wiley & Sons, Inc.) 4th Ed., pp 143-155 (1991).		
AU10	Beutler, B., et al., "Cachectin and tumour necrosis factor as two sides of the same biological coin," <i>Nature</i> , 320:584-588 (1986).		
AV10	Folks, T. M., et al., "Tumor Necrosis factor α induces expression of human immunodeficiency virus in a chronically infected T-cell clone," <i>Proc. Natl. Acad. Sci. USA</i> , 86:2365-2358 (1989).		
AW10	Hird, V., et al., "Immunotherapy with Monoclonal Antibodies," In <i>Genes and Cancer</i> (John Wiley & Sons, Ltd.) (1990).		
AX10	Rhein, R., "Another sepsis drug down-Immunex' TNF receptor," <i>Biotechnology Newswatch</i> , Monday, October 4, 1993, pp. 1,3.		
AY10	Boyle, P., et al., "A Novel Monoclonal Human IgM Autoantibody which Binds Recombinant Human and Mouse Tumor Necrosis Factor- α ," <i>Cellular Immunology</i> , 152:556-568 (1993).		
AZ10	Boyle, P., et al., "The B5 Monoclonal Human Autoantibody Binds to Cell Surface TNF α on Human Lymphoid Cells and Cell Lines and Appears to Recognize a Novel Epitope," <i>Cellular Immunology</i> , 152:569-581 (1993).		
AR11	Sheehan, K.C.F., et al., "Generation And Characterization Of Hamster Monoclonal Antibodies That Neutralize Murine Tumor Necrosis Factors," <i>The Journal of Immunology</i> , 142(11):3884-3893 (1989).		
AS11	Jacob, C.O., et al., "Tumour necrosis factor- α in murine autoimmune 'lupus' nephritis," <i>Nature</i> , 331:356-358 (1988).		
EXAMINER		DATE CONSIDERED	

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